

AMENDMENTS TO THE CLAIMS

1. **(Currently amended)** A liquid crystal display device, comprising:

a section that detects a type of content of an image to be displayed on a liquid crystal display panel, based on electronic program information other than the image signal to be displayed and on additional information as to motion blur, the detected type of content being based on a classification defined in the electronic program information;

a section that stores a plurality of predetermined illumination durations which respectively correspond to possible types of content of an image; and

a section that variably controls the illumination duration of a backlight within one frame period based on the detected type of content of the image according to the stored illumination duration which corresponds to the detected type of content of the image,

wherein the image signal to be displayed is written into the liquid crystal display panel while the backlight is activated intermittently within the one frame period,

the stored plurality of predetermined illumination durations are set in such a manner that:

for a type of content of an image that entails a large amount of motion blur, the corresponding illumination duration is decreased within the one frame period, and

for a type of content of an image that entails a small amount of motion blur, the corresponding illumination duration is increased within the one frame period.

2. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the backlight emits a flash of light over the full screen every one frame period in synchronization with a vertical synchronizing signal supplied to the liquid crystal display panel.

3. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the backlight is operated so that multiple luminous sections are activated, one to the next, scan-wise in synchronization with vertical and horizontal synchronizing signals supplied to the liquid crystal display panel.

4. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the luminous intensity of the backlight is varied in accordance with the illumination duration of the backlight.
5. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the gray scale levels of the input image signal are varied depending on the illumination duration of the backlight such that a relationship between the input image signal and the display brightness is held constant.
6. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein gray scale voltages applied to the liquid crystal display panel in response to the input image signal are varied depending on the illumination duration of the backlight such that a relationship between the input image signal and the display brightness is held constant.
7. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the frame frequency of the input image signal is varied based on the detected type of content of the image.
8. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the electronic program information is included in program guide information included in broadcast data.
9. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the electronic program information is included in contents information obtained from external media.
10. **(Previously presented)** The liquid crystal display device according to Claim 1, wherein the electronic program information is based on video source select command information input by the user.

11. (Currently amended) A liquid crystal display device, comprising:

a section that detects a type of content of an image to be displayed on a liquid crystal display panel, based on information other than an image signal to be displayed, the type of content being based on a classification defined in electronic program information;

a section that stores a plurality of predetermined illumination durations, for illumination of a backlight, which respectively correspond to possible types of content of an image; and

a section that variably controls ~~the~~ a duration in which a black display signal is supplied to the liquid crystal display panel based on the detected type of content of the image according to the stored illumination duration which corresponds to the detected type of content of the image,

wherein the image signal to be displayed and the black display signal are written into picture elements of the liquid crystal display panel within one frame period.

12. (Original) The liquid crystal display device according to Claim 11, wherein the luminous intensity of the backlight that illuminates the liquid crystal display panel is varied in accordance with the application duration of the black display signal.

13. (Previously presented) The liquid crystal display device according to Claim 11, wherein the gray scale levels of the input image signal are varied depending on the application duration of the black display signal such that a relationship between the input image signal and the display brightness is held constant.

14. (Previously presented) The liquid crystal display device according to Claim 11, wherein the gray scale voltages applied to the liquid crystal display panel in response to the input image signal are varied depending on the application duration of the black display signal such that a relationship between the input image signal and the display brightness is held constant.

15. (Previously presented) The liquid crystal display device according to Claim 11, wherein the electronic program information is included in electronic program guide information included in broadcast data.

16. (Previously presented) The liquid crystal display device according to Claim 11, wherein the electronic program information is included in contents information obtained from external media.

17. (Previously presented) The liquid crystal display device according to Claim 11, wherein the electronic program information is based on video source select command information input by the user.

18. (Currently amended) A liquid crystal display device, comprising:

a section that detects a type of content of an image to be displayed on a liquid crystal display panel, based on electronic program information other than an image signal to be displayed and on additional information as to motion blur, the type of content being based on a classification defined in the electronic program information;

a section that stores a plurality of predetermined illumination durations which respectively correspond to possible types of content of an image; and

a section that variably controls a ratio of display duration of the image signal in one frame period, based on the detected type of content of the image according to the stored illumination duration which corresponds to the detected type of content of the image,

wherein display duration of the image signal and non-display duration are provided in the one frame period.

19. (Previously presented) The liquid crystal display device according to Claim 18, wherein the gray scale levels of the input image signal are varied depending on the ratio of the display duration of the image signal in the one frame period such that a relationship between the input image signal and the display brightness is held constant.

20. (Previously presented) The liquid crystal display device according to Claim 18, wherein gray scale voltages applied to the liquid crystal display panel in response to the input image signal are varied depending on the ratio of the display duration of the image signal in the

one frame period such that a relationship between the input image signal and the display brightness is held constant.

21. (Previously presented) The liquid crystal display device according to Claim 18, wherein the electronic program information is included in electronic program guide information included in broadcast data.

22. (Previously presented) The liquid crystal display device according to Claim 18, wherein the electronic program information is included in contents information obtained from external media.

23. (Previously presented) The liquid crystal display device according to Claim 18, wherein the electronic program information is based on video source select command information input by the user.

24. - 33. (Canceled)

34. (Previously presented) The liquid crystal display device according to Claim 35, wherein the luminous intensity of a backlight that illuminates the liquid crystal display panel is varied in accordance with the application duration of the black display signal.

35. (Currently amended) A liquid crystal display device comprising:
a section that detects a user's instructional input; and
a section that variably controls the duration in which a black display signal is supplied to at least one picture element of a liquid crystal display panel based on the user's instructional input,

wherein

~~the an~~ image signal to be displayed and the black display signal are written into the at least one picture element of the liquid crystal display panel within one frame period, and

~~the~~ gray scale levels of the input image signal applied to the at least one picture element are varied depending on the application duration of the black display signal such that a relationship between the input image signal and the display brightness is held constant.

36. (Currently amended) A liquid crystal display device comprising:
a section that detects a user's instructional input; and
a section that variably controls the duration in which a black display signal is supplied to at least one picture element of a liquid crystal display panel based on the user's instructional input,

wherein

~~the an~~ image signal to be displayed and the black display signal are written into the at least one picture element of liquid crystal display panel within one frame period, and

gray scale voltages applied to the at least one picture element of the liquid crystal display panel in response to the input image signal are varied depending on the application duration of the black display signal such that a relationship between the input image signal and the display brightness is held constant.

37. (Previously presented) The liquid crystal display device according to Claim 35, wherein the application duration of the black display signal is varied based on video source select command information input by the user.

38. (Previously presented) The liquid crystal display device according to Claim 35, wherein the application duration of the black display signal is varied based on video adjustment command information input by the user.

39. (Canceled)

40. (Currently amended) A liquid crystal display device comprising:
a section that detects a user's instructional input; and
a section that variably controls a ratio of display duration of an image signal within one frame period, based on the detected user's instruction,
wherein the display duration of the image signal and non-display duration are provided in the one frame period, and
the gray scale levels of the input image signal to be applied to picture elements of a liquid crystal display panel of the liquid crystal display device are varied depending on the ratio of the display duration of the image signal in the one frame period such that a relationship between the input image signal and the display brightness is held constant.

41. (Currently amended) A liquid crystal display device comprising:
a section that detects a user's instructional input; and
a section that variably controls a ratio of display duration of an image signal within one frame period, based on the detected user's instruction,
wherein the display duration of the image signal and non-display duration are provided in the one frame period, and
gray scale voltages applied to picture elements of the liquid crystal display panel in response to the input image signal are varied depending on the ratio of the display duration of the image signal in the one frame period such that a relationship between the input image signal and the display brightness is held constant.

42. (Previously presented) The liquid crystal display device according to Claim 40, wherein the ratio of the display duration of the image signal in the one frame period is varied based on video source select command information input by the user.

43. (Previously presented) The liquid crystal display device according to Claim 40, wherein the ratio of the display duration of the image signal in the one frame period is varied based on video adjustment command information input by the user.

44. (Previously presented) The liquid crystal display device according to Claim 36, wherein the luminous intensity of a backlight that illuminates the liquid crystal display panel is varied in accordance with the application duration of the black display signal.

45. (Previously presented) The liquid crystal display device according to Claim 36, wherein the application duration of the black display signal is varied based on video source select command information input by the user.

46. (Previously presented) The liquid crystal display device according to Claim 36, wherein the application duration of the black display signal is varied based on video adjustment command information input by the user.

47. (Previously presented) The liquid crystal display device according to Claim 41, wherein the ratio of the display duration of the image signal in the one frame period is varied based on video source select command information input by the user.

48. (Previously presented) The liquid crystal display device according to Claim 41, wherein the ratio of the display duration of the image signal in the one frame period is varied based on video adjustment command information input by the user.

49. (Previously presented) The liquid crystal display device according to Claim 11, wherein the plurality of predetermined illumination durations are set in such a manner that when the type of content of the image entails a large amount of motion blur, the corresponding illumination duration is decreased within the one frame period, and when the type of content of the image entails a small amount of motion blur, the corresponding illumination duration is increased within the one frame period.

50. (Previously presented) The liquid crystal display device according to Claim 18, wherein the plurality of predetermined illumination durations are set in such a manner that when the type of content of the image entails a large amount of motion blur, the corresponding

illumination duration is decreased within the one frame period, and when the type of content of the image entails a small amount of motion blur, the corresponding illumination duration is increased within the one frame period.